

Claims

1. A windshield wiper mechanism for driving a windshield wiper comprising:
a mounting bracket;
5 a motor fixed to the bracket;
a crank driven by the motor;
a pivot for pivotably driving a windshield wiper arm, the pivot being pivotably connected to the bracket by a bearing, and having a first end and a second end, the first end having a DIN style tapered and knurled coupling surface;
10 a ring driver, having a through hole with an inner surface adapted to mate with the coupling surface of the pivot and a tapered and knurled outer surface adapted to mate with a US style socket of a windshield wiper arm;
fastening means for securing the driver and the wiper arm to the first end of the pivot;
a pivot lever fitted to the second end of the pivot; and
15 a connecting link pivotably connected to the crank and the pivot lever for transforming rotary motion of the crank to oscillatory motion of the pivot through a predetermined angular extent.
2. The wiper mechanism of claim 1 wherein the crank is driven by the motor
20 through a gearbox.
- 3 The wiper mechanism of claim 1 wherein the fastening means comprises an internally threaded axial hole in the first end of the pivot and a screw to nip the wiper arm and driver to the pivot.